MW401 Integrated Dishwasher

Manual for Installation, Use and Maintenance

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Important

The CDA Group Ltd cannot be held responsible for injuries or losses caused by incorrect use or installation of this product. Please note that CDA reserve the right to invalidate the guarantee supplied with this product following incorrect installation or misuse of the appliance.

This appliance is not designed to be used by people (including children) with reduced physical, sensorial or mental capacity, or who lack experience or knowledge about it, unless they have had supervision or instructions on how to use the appliance by someone who is responsible for their safety.

Under no circumstances should any external covers be removed for servicing or maintenance except by suitably qualified personnel.

Appliance information:

Please enter the details on the appliance rating plate below for reference, to assist CDA Customer Care in the event of a fault with your appliance and to register your appliance for guarantee purposes.

Appliance Model	

Serial Number	

CE Declarations of Conformity:

This appliance has been designed, constructed and marketed in compliance with safety requirements of EEC Directives
2004/108/EC, 2006/95/EC, IEC436/DIN44990, EN 50242

IMPORTANT INFORMATION FOR CORRECT DISPOSAL OF THE PRODUCT IN ACCORDANCE WITH EC DIRECTIVE 2002/96/EC.

At the end of its working life, the product must be taken to a special local authority waste collection centre or to a dealer providing appliance recycling services.

Disposing of a household appliance separately avoids possible negative consequences for the environment and health. It also enables the constituent materials to be recovered, saving both energy and resources. As a reminder of the need to dispose of household appliances separately, the product is marked with a crossed-out wheeled dustbin.

Please note:

- Read the instructions prior to installation and use of the appliance.
- Do not lean or climb on the open dishwasher door to prevent damage.
- Close the dishwasher door after use to prevent accidents.
- Use only detergents, salt and rinse aid specifically designed for dishwashers.
- Do not put solvents in the dishwasher detergent compartment to prevent risk of explosion
- Only put dishwasher safe items into the dishwasher. If in doubt, check with the manufacturer of the items.
- Take care when loading the dishwasher to observe the recommendations for best loading practice, and also to ensure that sharp objects such as knives are placed blade down to prevent accidents.
- Do not open the dishwasher door when a programme is running. If it is necessary to do so, then open it only slightly to allow the dishwasher to pause the programme and prevent any water spilling out. Remember that the water in the dishwasher can be very hot when the programme is running.

- When the dishwasher is not in use, we reccomend that you turn off the water supply at the supply tap and disconnect the main supply.
- If you are leaving the dishwasher for an extended period you should leave the door slightly open to prevent the formation of unpleasant smells.
- The plastic housing on the water inlet pipe contains an electrically operated valve. The wires that connect to this valve are inside the inlet hose. Do not cut through the inlet hose, and do not put the plastic housing in water.
- Children could get locked inside the appliance. Therefore when disposing of an old appliance, cut off the plug and set aside, and damage the door lock so that the door can no longer be closed.

Recommendations

- To reduce energy and water consumption, remove all dirt residues from the dishes prior to loading the dishwasher.
- Only run the dishwasher when fully loaded.
- Place hollow items (bowls, glasses and pans) face down in the basket.
- Do not put dishes or cutlery with tobacco ash, wax, lubricating grease or paint residues in the dishwasher.

Before First Use

- Set the water softener level as required by the water hardness in the area.
- Add 2kg of salt into the salt compartment and then fill with water to the top of the salt compartment.
- Remove all the packaging materials from the interior of the dishwasher.
- Fill the rinse aid compartment.
- Run a hot programme without any dishes in the dishwasher.

Control Panel

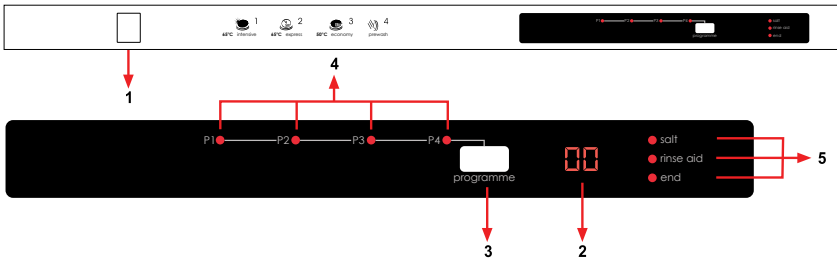


Fig. 1

Power button (1)

To switch the dishwasher on or off, press the power button (1). When you switch on the dishwasher, the end of programme light will illuminate, and two dashes will appear on the display.

Programme display (2)

The programme display shows the selected programme and the remaining time to run. If there is a fault on the dishwasher, the fault code will show on the display.

Programme selection button (3)

To select a programme, press the programme selection button (3). The dishwasher will store in its memory the last programme used.

Programme indicator lights (4)

These lights will illuminate to confirm which programme has been selected.

Salt and rinse aid warning lights and end of programme light (5)
When the dishwasher salt or rinse aid begins to run out, the warning light will illuminate to advise that it needs refilling.

When the programme is complete, the dishwasher will emit five beeps and the end of programme indicator light will illuminate.

Starting a programme

- Press the Power button (the end of programme light will be switched on)
- Press the Programme Selection button until the required programme is shown on the display.
- Once a programme is selected, the end of programme light will switch off.
- When you close the dishwasher door, the programme will start automatically.

Please note: The dishwasher stores the most recently used programme in its memory. To change the programme, simply press the Programme Selection button.

At the end of a programme
If possible, do not open the dishwasher door once the programme has started.
At the end of a programme, the dishwasher will beep five times, and the end of Programme Indicator light will switch on.

Changing a programme

It is possible to change the programme if necessary once the programme has started.

- First open the door slightly to reduce the risk of water spillage.
- Press the programme selection button until the required programme is shown on the display.
- Then close the door. The dishwasher will begin the new programme from the point at which the old programme stopped.

Cancelling a programme

It is possible to cancel the programme once is has started.

- First open the door slightly to reduce the risk of water spillage.
- Press and hold in the Programme Selection button until the end of programme indicator flashes.
- Then close the door. The dishwasher will run a drain cycle which will take approximately 30 seconds. Once this is complete, the dishwasher will beep five times and the end of programme light will switch on.

Switching the dishwasher off

- Once the dishwasher beeps five times and the end of programme light switches on, the dishwasher can be switched off by pressing the Power button.
- Then turn off the water tap and remove the plug from the power socket.

Please note: the dishwasher will automatically continue on the programme it has started if the door is opened or in the event of a power cut.

Detergent

Fig. 2

To fill the detergent compartment

1. Push the latch to open the compartment.
2. Add the required amount of detergent.
   The main detergent compartment "b" (figure 2) has lines to allow for specific amounts of detergent. These are marked at either 15 cm^3 or 25 cm^3, to be used depending on how dirty the dishes are.
   If your dishes are in need of an intensive wash, then add 5 cm^3 of detergent into the prewash section of the compartment "a" (figure 1).
3. Then close the detergent compartment lid until the latch locks.

Please note: You should only use detergents designed specifically for use in dishwashers.

If using dishwasher tablets, always use the detergent compartment, do not put them in the main body of the dishwasher or in the cutlery basket. The solubility of dishwasher tablets can vary depending on the temperature and duration of the programme. As a result, it is recommended that powder detergents should be used in the shorter programmes to allow better performance.

The use of separate detergent, rinse aid and dishwasher salt is recommended rather than combination tablets as separates achieve better wash performance.

If you do use combination detergents, add salt and rinse aid to the dishwasher and then adjust the water hardness setting and rinse aid setting to the minimum. When you then use separate detergents again, you should fill the salt and rinse aid compartments, adjust the water hardness setting to the maximum and run an empty wash, then adjust the water hardness setting and the rinse aid setting to the appropriate level.

Salt

To ensure the best efficiency, the dishwasher needs soft water. Hard water means that lime residues remain on the dishes and the interior of the dishwasher, affecting performance. The softener system is designed to remove the ions that make the water hard to provide the best quality wash performance. This is achieved by using dishwasher salt.

To add dishwasher salt, follow the steps below:

1. Remove the lower dishwasher basket and then unscrew the salt compartment cap, as shown in figure 3.
2. Fill the compartment with dishwasher salt (do not use table salt), carefully to prevent unnecessary spillage (figure 4). Before first use, you should fill the compartment with 2kg of dishwasher salt and then fill up the salt compartment with water (up to the brim of the compartment) as shown in figure 4.

fig. 3

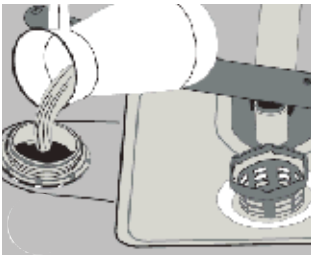


fig. 4

3. Replace the cap and the lower basket.

When the salt warning light on the control panel illuminates, you should refill the salt compartment with salt only – do not add water to the salt compartment after the first use.

Important:
You should run a prewash programme immediately after adding dishwasher salt to prevent any damage to the dishwasher system.

Softener Adjustment

The efficiency of your dishwasher depends on the softness of the tap water. To ensure best efficiency, the dishwasher is equipped with a system that reduces the hardness in the mains water supply. The efficiency will increase when the system is correctly set. To find out the water hardness level of your water supply you can use the test strip supplied or alternatively contact your local water board.

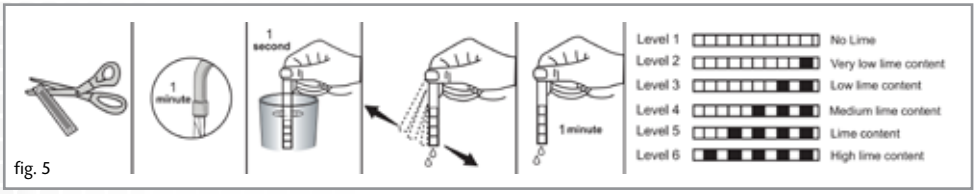


fig. 5

1. Open the testing strip (figure 5).
2. Run water through the tap for one minute.
3. Hold the testing strip in water for one second.
4. Remove from the water and shake the test strip to remove excess water.
5. Wait for one minute.

6. Check the number of marks on the strip to see the level of water hardness.

If the hardness of the water you use is above 63 dE or if you are using well water; you are recommended to contact your local water board to confirm the water hardness level and to use filter and water refinement devices.

Please note: The level of water hardness is preset to level 3.

1. Press and hold down the programme selection button
2. Press the Power button to switch on the dishwasher
3. Keep the programme selection button pressed until all programme indicator lights and the end of programme indicator light flash.
4. To adjust the level, press the programme selection button until the required level is shown on the display: The programme lights will illuminate as in the table below.
5. To store the selected water hardness level, press the power button.

Water hardness level	British hardness dE	Indicator lights illuminated
1	0-6	P1
2	7-14	P2
3	15-21	P3
4	22-28	P4
5	29-39	P1 and P4
6	40-63	P2 and P4

Rinse Aid

To fill the rinse aid compartment

1. Open the rinse aid compartment by turning and removing the cap as shown in figure 6.
2. Fill the rinse aid compartment until the rinse aid indicator goes dark, as shown in figure 7 (where a indicates the compartment is empty, and "b" indicates the compartment is full).
3. Replace the cap, ensuring the markers on the cap line up with the compartment prior to screwing the cap back in place.

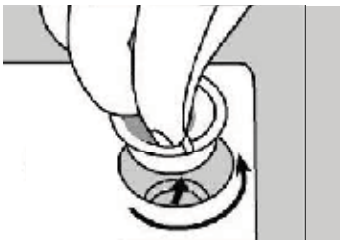


fig. 6

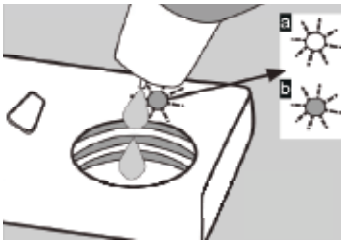


fig. 7

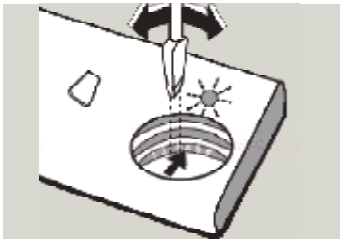


fig. 8

Rinse Aid Adjustment

The level of rinse aid use is preset to 3.
You can adjust the level of rinse aid use by adjusting as shown in figure 8.
If water stains form on the dishes after a wash, the level should be increased.
If blue stains which can be wiped away are left on the dishes after a wash, the level should be decreased.

Please note: Rinse aid ensures better quality wash results and increased drying performance.
Always refill the rinse aid when the rinse aid indicator light on the control panel is illuminated.

Dishwasher Baskets

To adjust the height of the upper basket:

1. Open the basket retaining clips, as shown in figure 9, but turning them to the side.
2. Remove the upper basket, and relocate the alternate set of wheels on the runner, as shown in figure 10, pushing the basket back into place.
3. Close the basket retaining clips.

fig.9

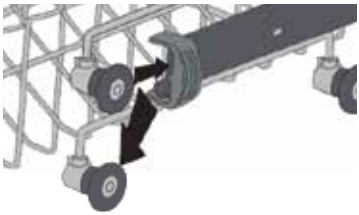
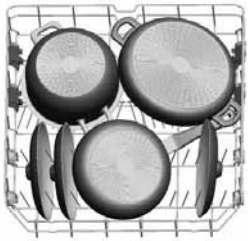


fig.10

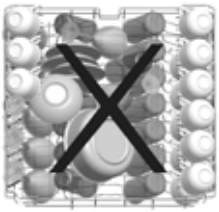
The images below are provided as guidance as to best practice for loading the dishwasher.

Lower Basket



Top Basket

Faulty loads



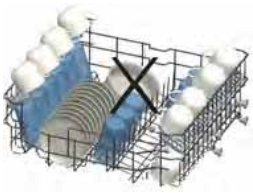


Fig. 11

Standard loading and Test Data

Capacity

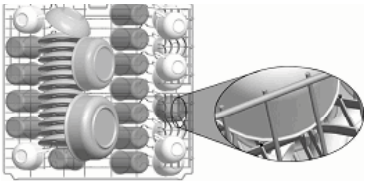
- Upper and lower baskets: 12 place settings.
- The upper basket should be adjusted to high position.
- Cups should be placed on to the dish rack pins.

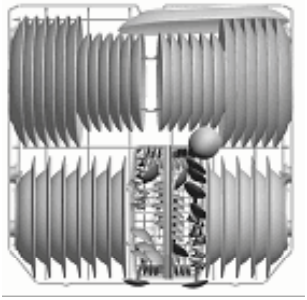
Detergent / Rinse aid

- 5 + 25 cm3, in accordance with EN50242-DIN 44990 IEC 436 (international norms) / Rinse aid dosage adjustment: 4.

Programme test

- Eco 50°C, in accordance with EN 50242 (international norms.).





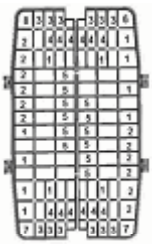


Fig. 12

Programme Listing

The values and times provided above have been obtained under laboratory conditions according to relevant standards. Actual results obtained can vary depending on the conditions of the dishwasher's use and environment. (mains supply voltage, water pressure, water input temperature and environment temperature).

Laboratory measured value in accordance with European standard EN50242.

Reference programme is ECO 50°.

Programme name and temperature	Intensive 60°	Express 60°	Eco 50°	Pre-wash -
Level of soil	High	Medium	Medium	-
Detergent required	A+B	A+B	A+B	-
	Prewash		Prewash	Prewash
	65° wash	65° wash	50° wash	
	Cold rinse	Cold rinse	Cold rinse	
	Hot rinse	Hot rinse	Hot rinse	
	Dry		Dry	
	End	End	End	End
Programme duration (mins.)	110	50	160	15
Electricity consumption (kW hours)	1.55	1.35	0.95	0.02
Water consumption (liters)	17.2	12.7	12.4	4.5

Care and Maintenance

Before beginning any care or maintenance, you should always disconnect the appliance from the electricity supply, and also turn off the water supply.

Door seals

Wipe the dishwasher door seals regularly with a damp cloth to remove any residues.

Filters

You should clean the filters at least once a month.

1. Remove the lower basket.
2. Turn the microfilter anticlockwise and then lift it out as in figure 13.
3. Remove the coarse filter from the microfilter (figure 14).
4. Remove the base filter from the dishwasher compartment (figure 15).

You should clean and rinse the filters thoroughly before replacing all the sections in reverse order to that above. The microfilter should lock into place once it is secure as shown in figure 16.

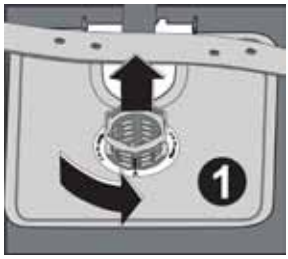


fig. 13

fig. 14

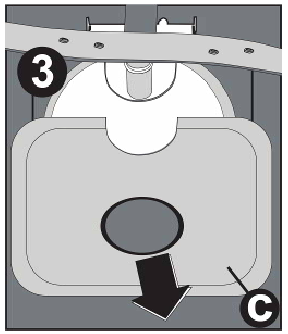


fig. 15

fig. 16

Please note: Never run a programme without the filters in place. Incorrect fitting of the filters may reduce wash performance and potentially damage your appliance.

Spray arms

You should clean the spray arms at least once a month.

1. Remove the lower basket
2. Pull the lower spray arm upwards to remove it.
3. To remove the upper spray arm, first remove the nut on the upper spray arm by turning it.

You should clean and rinse the spray arms thoroughly before replacing them. Ensure that the upper spray arm nut is securely tightened when refitting the upper spray arm.

Dishwasher interior

To deal with an accumulation of dirt, oil or limescale in the dishwasher, run an intensive programme with detergent when the dishwasher is empty.

Alternatively, there are specialist dishwasher cleaners available that can be used.

Failure Codes and Troubleshooting

The programme indicators also serve as a diagnostic display to help in the event of a problem with the appliance.

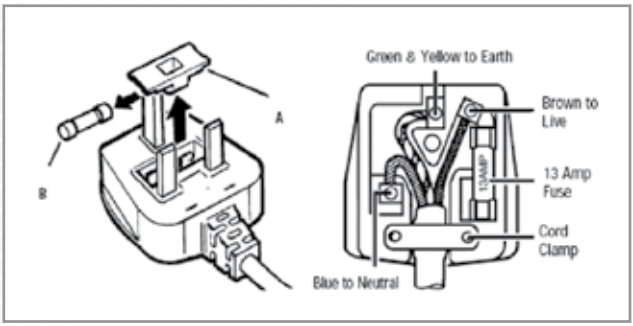
Error Code				Error description	Advice
Intensive	Express	Eco	Prewash		
✳	✳			Inadequate water supply.	Make sure the water inlet tap is fully open. Close the water tap, separate the water inlet hose from the tap and clean the filter. Restart your machine, contact customer care if the error resumes
	✳		✳	Continual fill error.	Close the tap and contact customer care
		✳	✳	The waste water in the machine cannot be discharged.	Drain hose is blocked. The filters of your machine might be blocked. Restart the dishwasher and cancel the programme. If the error continues, contact customer care.
✳			✳	Heater error.	Contact customer care
	✳	✳		Alarm is active against water overflow.	Turn off the dishwasher and disconnect the water supply. Contact customer care
✳	✳	✳	✳	Faulty electronic card.	Contact customer care

Failure Codes and Troubleshooting

Problem	Possible cause
The programme will not start	Check the plug, fuse and circuit breakers of the mains supply. The water tap is turned off. The dishwasher door is not fully closed. The water inlet filter or the machine filters are blocked.
Water remains inside the dishwasher at the end of a programme	The water drain hose is blocked or kinked. The filters are blocked.
The dishwasher stops in the middle of a programme	Power failure. Water inlet failure. Programme is on standby.
Wash performance is of a low standard	Poor loading of dishes hinders wash performance. Insufficient detergent added. Inappropriate wash programme selected. Spray arm is blocked. Filters clogged or incorrectly fitted. Water drain pump is blocked.
White stains on the dishes	Insufficient detergent added. Rinse aid setting is too low. Insufficient dishwasher salt added. Water softener setting is too low. Salt compartment cap may not be completely closed.
The dishes are not completely dry at the end of a programme	A programme without a drying stage was selected. Rinse aid setting is too low. Dishes unloaded too soon (allow time for drying).
There are rust stains on the dishes	Different sets of cutlery should be kept separate. Too much salt (water softener setting is too high). Salt compartment cap not completely closed. Poor appliance earth (check mains electrical supply).
The door is not opening or closing properly	Door tension not correctly adjusted for the decor door.

Electrical information

Warning! This appliance must be earthed.



The mains lead of this appliance has been fitted with a BS 1363A 13 amp fused plug. To change a fuse in this type of plug, follow the steps below:

1. Remove the fuse cover and fuse.
2. Fit replacement 13A fuse, ASTA approved to BS 1362 type, into the fuse cover.
3. Replace fuse cover.

Important: Do not use the appliance without the fuse cover in position.

How to connect an alternative plug

If the fitted plug is not suitable for your socket outlet, then it should be cut off and disposed of safely to avoid the risk of electric shock. A suitable alternative plug of at least 13 Amp rating to BS 1363 should be used.

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:-

- The wire which is coloured GREEN and YELLOW must be connected to the terminal which is marked with letter (E) or by the Earth symbol ⏚ or coloured GREEN and YELLOW.
- The wire which is coloured BLUE must be connected to the terminal which is marked with the letter (N), or coloured BLACK or BLUE.
- The wire which is coloured BROWN must be connected to the terminal which is marked with the letter (L) or coloured RED or BROWN.

If in doubt regarding the electrical connection of this appliance, consult a qualified electrician. Do not shorten the supply cable, the appliance may require removing for servicing.

N.B. Ensure that the plug socket is situated in an easily accessible place.
If the power supply cord is damaged, it must replaced by a CDA authorised agent.

Installation

- Do not install this appliance if it is damaged in any way. Installing a damaged appliance may invalidate the warranty.
- The water supply tap should be located in an adjacent cupboard so that it can be accessed after installation.
- Ensure the appliance is level by adjusting the feet as necessary.
  The dishwasher is equipped with an adjustable rear foot that can be raised or lowered by means of an adjustment screw, located in the centre of the kick plate.
- Only use the water inlet supplied with the appliance.
- If the water pressure is above 10 bar, a pressure relief valve should be used.
- After connecting the water supply, check to ensure there are no leaks.
- The water outlet can either be connected to a water drain or to a sink outlet spigot. This connection should be at a minimum of 50 cm and a maximum of 110 cm from the floor. The drain hose should be no longer than 4m in length to ensure good performance from the dishwasher.

fig. 17

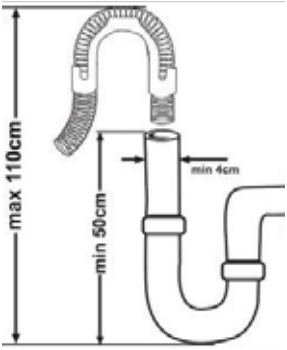


fig. 18

fig. 19

- To prevent siphoning, ensure that the water outlet is not pushed too far into the waste standpipe. The lowest part of the water outlet should be level with the bottom basket of the dishwasher.
- When connecting to the sink, ensure that the waste pipe runs higher than the level of the sink bowl to prevent siphoning.
- This appliance is cold fill only.

Fitting the integrated appliance door

Where non-standard integrated appliance doors are supplied, additional fitting instructions are required to ensure compatibility with this product.

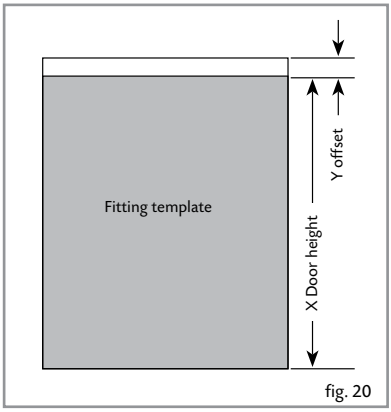


fig. 20

The machine is supplied with a fitting template and these instructions should be followed as normal.

However, the fitting template needs to be located lower down the fascia door; this is shown below.

The amount of offset, Y, depends on the height of the fascia door and can be calculated as **X = 723mm.**

For example, if you have a 731mm tall fascia door and are fitting a door to your dishwasher, then **Y = 731-723 = 8mm.**

Ensure that the hinge tensioners are adjusted to balance the weight of the door.

matrix

Serviced by

CDA

To contact our Customer Care Department, or for Service,
please contact us on the details below.

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